



Department of Civil and Architectural Engineering

Requirements for the Capstone Sequence: CE Design Project 1 and CE Design Project 2

The capstone sequence, ECE4022 CE Design Project 1 (CE Project 1) and ECE4032 CE Design Project 2 (CE Project 2), is the major design and project management experience in the undergraduate civil engineering program. The faculty, Civil Engineering Advisory Board, and ABET, the Program accrediting authority, consider the capstone as evidence that students are prepared to enter the civil engineering profession. Thus, it is imperative that students are academically prepared to participate in the capstone sequence and on their capstone teams. It is the responsibility of each student enrolled in CE Project 1 to verify that the requirements set forth below are satisfied.

1. Complete at least 90 credits by the end of the summer semester immediately prior to the semester you plan to enroll in Project 1
2. Maintain a minimum 2.0 GPA (both cumulatively and in major,) by the end of the summer semester immediately prior to the semester you plan to enroll in Project 1.
3. Complete at least three of the following courses with required labs prior to enrolling in CE Project 1:
 - ECE 3213 Construction Engineering + ECE 3211 Construction Engineering Lab (or ECE4243 Construction Project Management for dual majors)
 - ECE 3324 Environmental Engineering 1
 - ECE 3424 Soil Mechanics
 - ECE 3523 Hydromechanics
 - ECE 3723 Theory of Structures
 - ECE 3823 Transportation Engineering + ECE3821 Transportation Engineering Lab (not required for dual majors)
4. Complete at least five of the six courses with required labs listed above prior to enrolling in CE Project 2
5. If students prefer to serve as a particular subdiscipline engineer on their capstone teams, they must plan ahead by taking the appropriate courses prior to, or concurrent with, CE Project 1, as listed in Table 1.

Table 1: Required Courses for Capstone Subdisciplines

Capstone Subdiscipline	Required Course
Geotechnical Engineering	ECE4443 Foundation Engineering
Transportation Engineering	ECE4843 Highway Engineering
Structural Engineering	ECE4753 Steel Design or ECE4743 Concrete Design
Construction Engineering	ECE4243 Construction Project Management
Water Resources Engineering	ECE4544 Hydraulic Engineering
Environmental Engineering	ECE4363 Environmental Engineering Design

Students enrolled, or who will be enrolled in CE Project 1 must meet with their academic advisor prior to the start of fall term to discuss the capstone requirements. Signing this document is an acknowledgement that the student understands and agrees to comply with the requirements.

Acknowledgement by:

Approval by Academic Advisor:

Student Name: _____

Advisor Name: _____

Signature & Date: _____

Signature & Date: _____